



Operator: Hannah Marine Telephone #: 257-5457  
Street: Rt 83 & Archer Ave  
City: Lemont State: IL Zip Code: 60439  
Owner: MSD Telephone #: 757-6570  
Street: 100 E. Erie  
City: Chicago State: IL Zip Code: 60611

Person Interviewed	Title	Telephone #
<u>David Updegraff</u>	<u>Ex. Vice President</u>	<u>257-5457</u>
<u>Carey Rosemaria</u>	<u>Attorney</u>	<u>902-5200</u>
<u>Joseph C Barnas</u>	<u>General Manager</u>	<u>257-5458</u>
<u>George Votva</u>	<u>Manager</u>	<u>257-5457</u>

Inspection Participants	Agency/Title	Telephone #
<u>Darren Brumfield</u>	<u>IEPA/LSCT</u>	<u>345-9780</u>
<u>Charles Gruntman</u>	<u>IEPA/ EPS IV</u>	<u>11</u>
<u>Phyllis Reed</u>	<u>IEPA/LSCT</u>	<u>11</u>
<u>George Ordija</u>	<u>IEPA/ EPE III</u>	<u>11</u>
<u>Adolfo Gonzalez</u>	<u>IEPA/ FPE I</u>	<u>11</u>

Prepared By	Agency/Title	Telephone #
<u>Phyllis Reed</u>	<u>IEPA/LSCT</u>	<u>345-9780</u>

Summary of Apparent Violations

Area	Class	Section
OTH	I	722.139
OTH	II	722.141
MAN	I	722.142

Area	Class	Section

Area	Class	Section

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## WASTE DISPOSITION FORM

Facility Name:

Hannah Marine

USEPA #:

ILD 069496249

IEPA #:

0438020004

Waste Name (Include haz & non-haz special & waste for which no determination has been made)	Generating Process (For waste gen. on site. N/A for TSD)	Date of Last Analysis	USEPA Haz Waste #	On 8700 -12 *	On 3510 -3 *	On Annual Rpt For 84 * 85 * 86 *	Amount On Site	Rate of Generation <i>Depends on quantity of Barges being cleaned</i>	Last Manifested Shipment	Disposition
Caustic Rinse (High pH)	Barge cleaning		D002	Y	NA	Y Y Y	75,000 gal		7/7/87	Chem clear
Caustic Wash Water (Non-haz)	Barge cleaning		—	—	—	N N N	250 gal		7/87	↓
Barge bottoms Asphalt Six Oil Sludge	Heels	At Lab	—	—	—	N N N	4950 gal <i>podrums of 55-gal</i>		on-site	
Lube Oil/ Mineral Spirits Combined	Tops from waste water tank		D001	Y	—	NA NA NA	None		5/14/87	Century Oil
									Manifest #	
									IL 1692091	
Styrene	Barges from Heel		D001	Y	—	NA NA NA	None		2/27/87	American Chemical Services INDIANA
Solvents & Flammable	Heels	RECEIVED AUG 25 1987 IEPA/DLPC	D001	Y	✓	NA NA NA	None	✓	7/10/87	↓

### Narrative

Hannah Marine Corporation is primarily involved in barge cleaning; however, shipyard repairs are performed on some of the barges. This company has a 99 year property lease with Chicago's Metropolitan Sanitary District. All waste is generated from the barge cleaning process since the shipyard repairs consist of welding and replacing steel on barges.

Shipping papers indicate the past contents in the barge. Barge cleaning activities consist of the following: the residual product or "heel" is pulled from the barge using a vacuum truck. The "heel" is placed in separate tanks for resale. If the heel tanks approach capacity before the product is sold, the entire contents are sent for disposal as waste (or for secondary fuel).

After the heels are removed from the barges, canal water is pumped, heated, and sprayed throughout the barge. If necessary, a water-soluble solvent (Henric Chemical Tank Cleaner #4) is sprayed into the barge before the hot water rinse is used. All wash/rinse water is collected in on-site tank prior to shipment off-site for treatment. Approximately 8000 gallons of rinse water is used to clean each barge and approximately 200 barges/year are cleaned.

### HAZARDOUS WASTES GENERATED

Caustic Rinse Water - D002 - generated from cleaning barges that last contained caustic soda. Amount on-site is 75,000 gallons which is accumulated in a blue tank labelled "Hazardous Caustic". Waste is shipped regularly to Chem Clear for treatment.

Lube Oil/Mineral Spirits - D001 - oil contained in the spent rinse water in the large white tank rises to the top. This oily mixture is pulled from the top of large white tank and collected in the smaller white tank. No waste on-site. Past shipment to Century Oil for recycling.

Styrene and Solvents - D001 - collected "heels" from barges that are not sold by Hannah Marine. Past shipments to American Chemical Services.

### NONHAZARDOUS WASTES GENERATED

Asphalt Six Oil Sludge - generated from the heels of a barge. Waste on-site is accumulated in ninety 55-gallon drums. Samples sent for analyses, results not received yet.

Caustic Rinse - generated from cleaning barges. The amount on-site is 250 gallons and will be shipped to Chem Clear for treatment.

Company appears to have four separate tanks that at some time contain hazardous waste. This does not count the heel tank-form.

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APPARENT VIOLATIONS

- 722.134 - The words "HAZARDOUS WASTE" were not on all the hazardous waste tanks.
  - (725.152) - The content of the contingency plan is inadequate which specifically does not include a physical description, the capability, and the location of each piece of emergency equipment
  - (725.153) - No documentation indicating that copies of the contingency plan were submitted to local emergency authorities.
- 722.141 - The 1986 generator's annual report did not include a description of efforts to reduce volume and toxicity of waste generated.
- 722.142 - Generator has not filed an exception report for manifested load # IL1692091.

PR:bj:033J

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Superior Engineering Corp.

Consulting Engineers

2345 167th ST. HAMMOND, IND. 46323

HANNAH MARINE

SUBJECT SPCC PLAN

AREA # 2

2

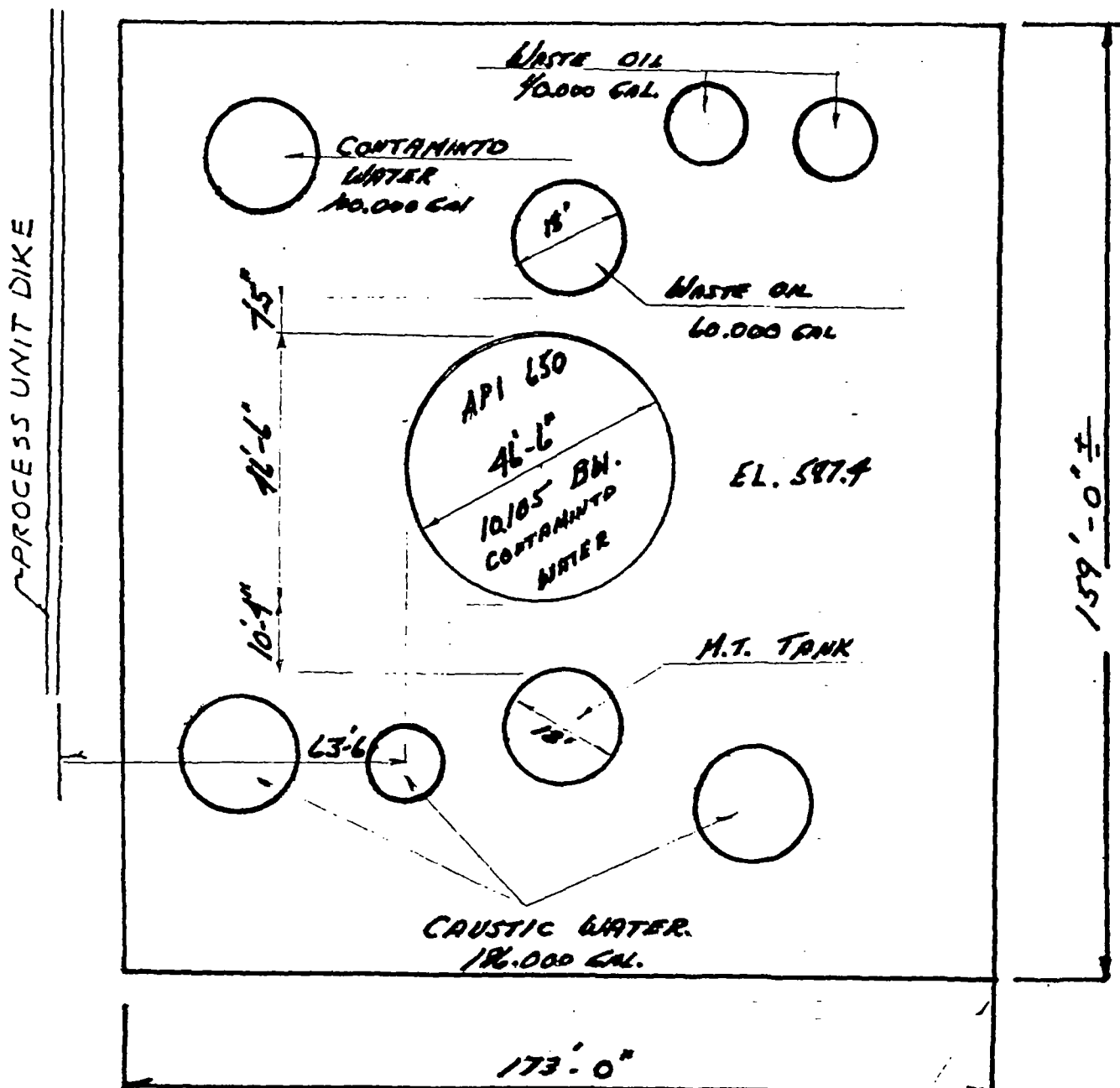
JOB NO. 25301

BY ROB DATE 2-8-84

REV. 11-12-83

# Location of Hazardous Waste

## EARTHENDIKE PLAN



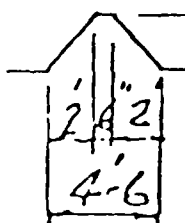
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DIKE

VARIABLES 4'-0" to 4'-6" (10-50)



SEC-AA  
TYPICAL

SCALE  
1"=30'

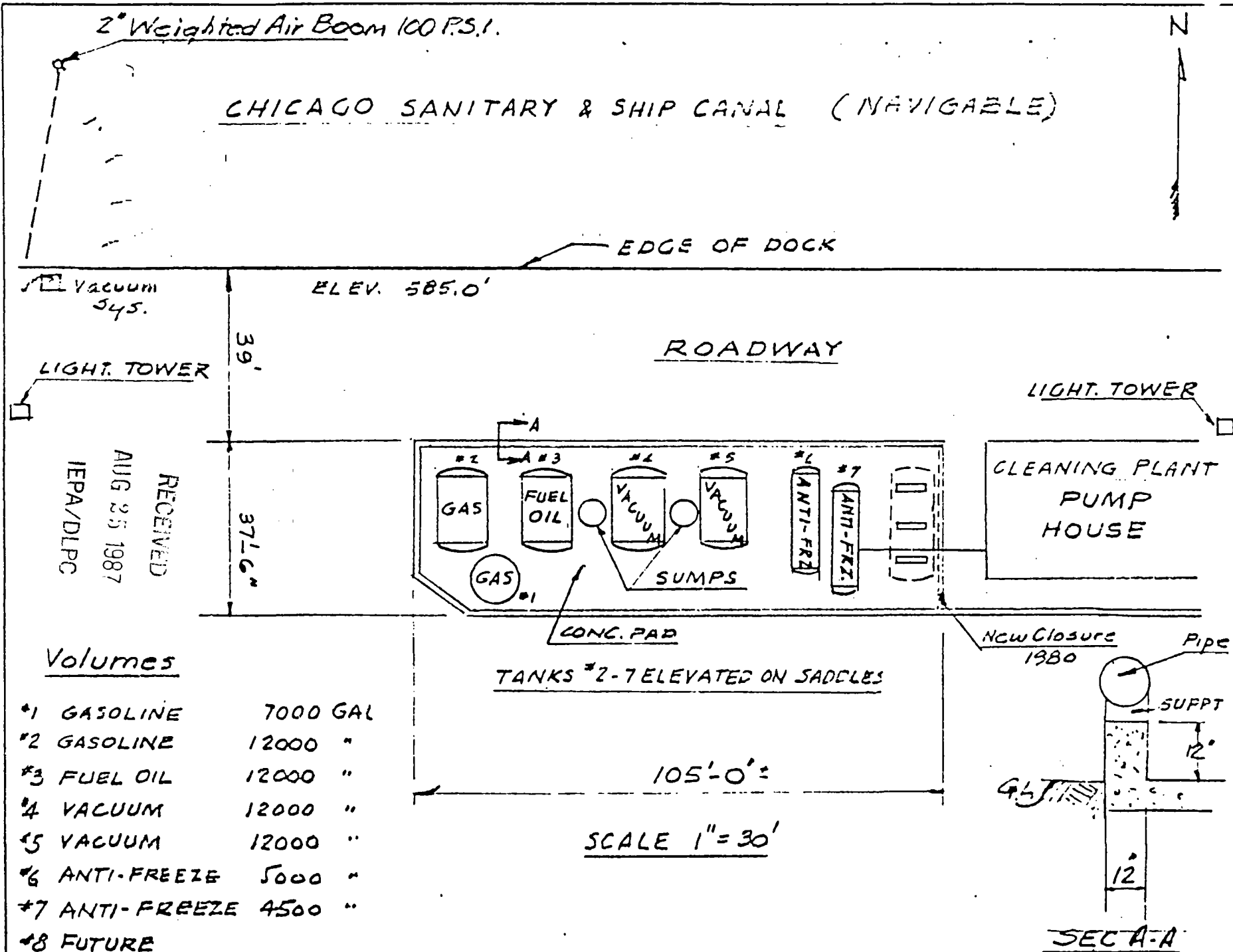
Z



Superior Engineering Corp.  
Consulting Engineers

2345 167th ST. HAMMOND, IND. 46323

CUSTOMER	HANNAH MARINE	SHT.	1	5
SUBJECT	SPEC PLAN	JOB NO.	25301	
AREA #1		BY	RGB	DATE 1-8-80



Date: July 17, 1987

Time: 9:15 AM

Photograph By:

CP Charles Gruntman

County: DuPage

IEPA #: 0438020004

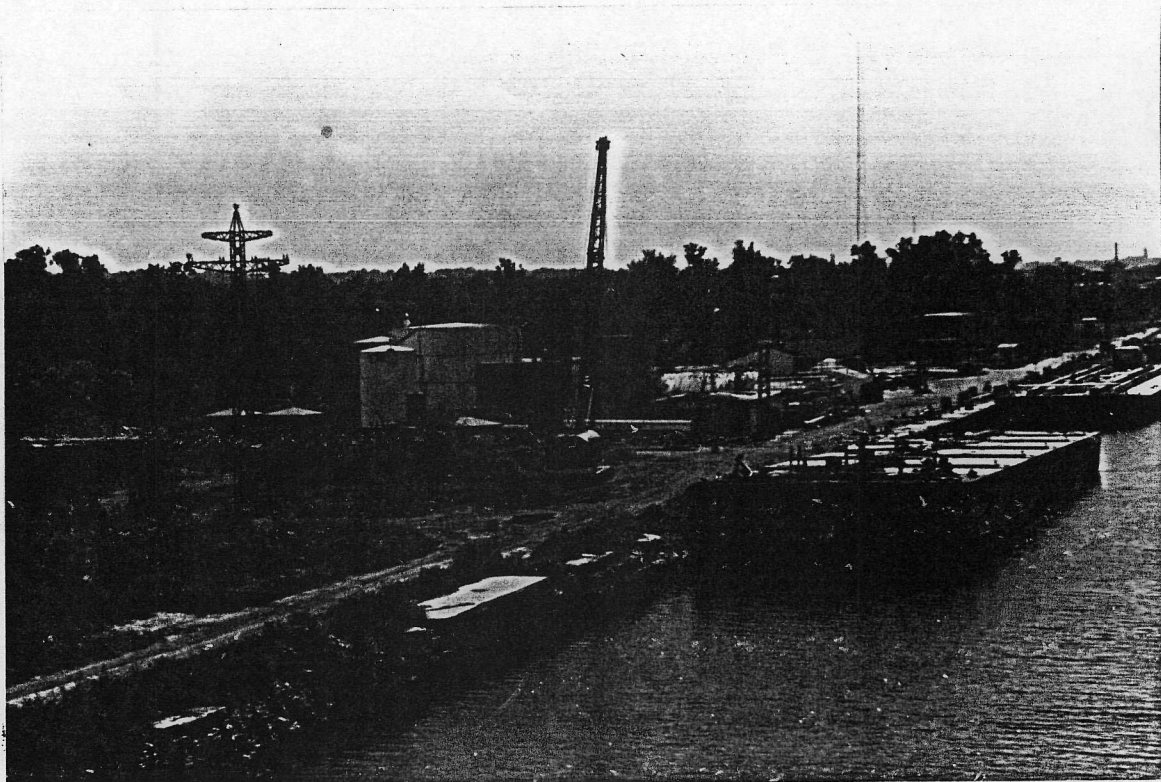
Site Name:

Hannah Marine

Comments: WSW

from Route 83

bridge



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AUG 25 1987

IEPA/DLPC

Date: July 17, 1987

Time: 9:15AM

Photograph By:

CP Charles Gruntman

County: DuPage

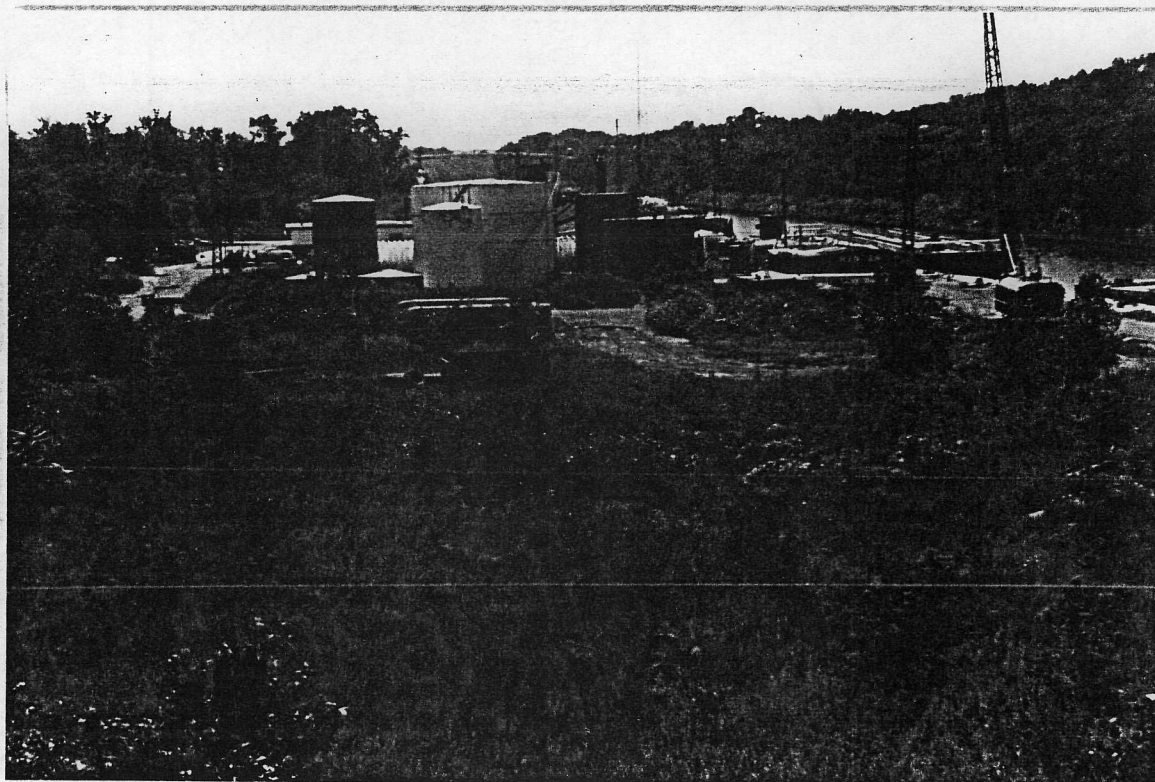
IEPA #: 0438020004

Site Name:

Hannah Marine Corp

Comments: W from

Route 83 bridge





Date: July 17, 1987

Time: 9:15 AM

Photograph By:

CJ Charles Gruntman

County: DuPage

IEPA #: 0438020004

Site Name:

Hannah Marine

Comments: West

VAC. truck used  
for on-site trans-  
fer of "heels"



Date: July 17, 1987

Time: 9:15AM

Photograph By:

Charles Gruntman

County: DuPage

IEPA #: 0438020004

Site Name:

Hannah Marine Corp

Comments: \_\_\_\_\_

RECEIVED  
AUG 25 1987  
IEPA/DLPC

Date: July 17, 1987

Time: 9:15 AM

Photograph By:

CP Charles Gruntman

County: DuPage

IEPA #: 0438020004

Site Name:

Hannah Marine

Comments: "HEEL"

TANK FARM.

FACILE S.W.

Date: July 17, 1987

Time: 9:15AM

Photograph By:

Charles Gruntman

County: DuPage

IEPA #: 0438020004

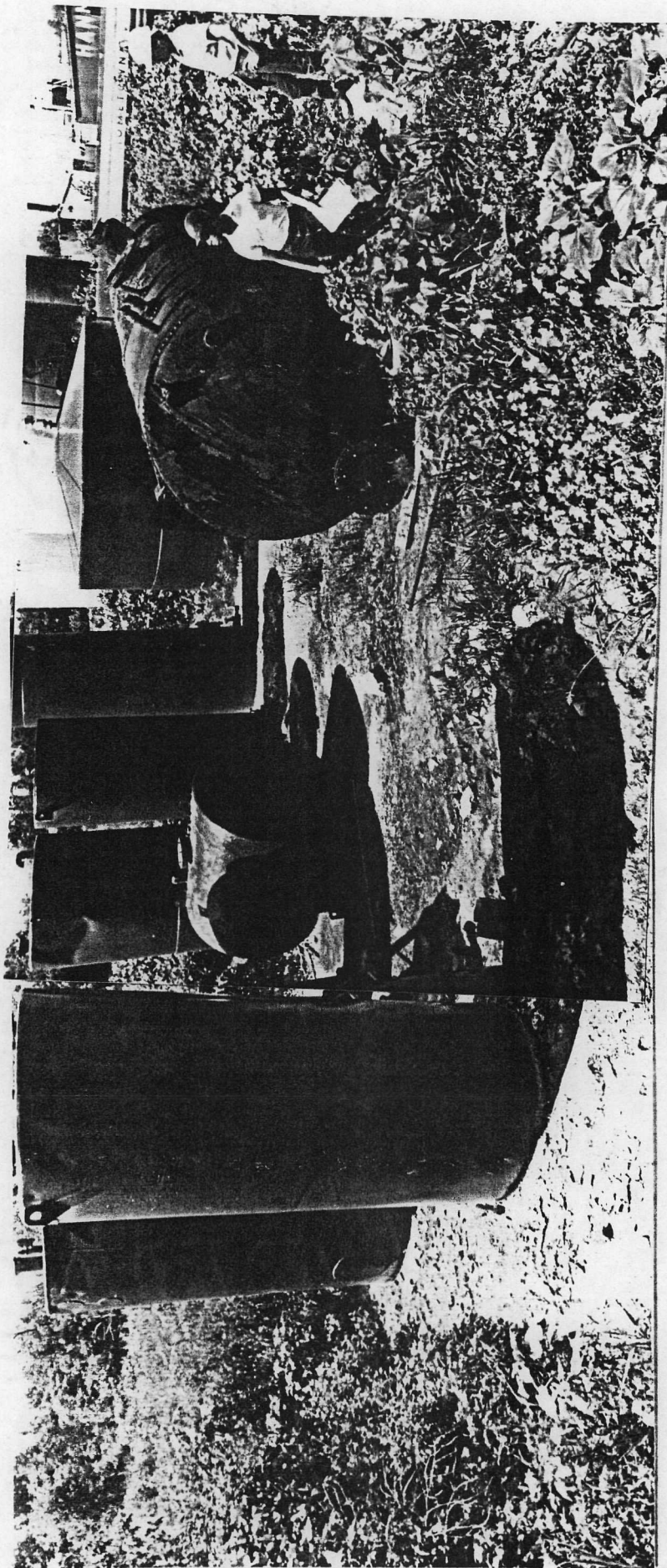
Site Name:

Hannah Marine Corp

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



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Date: July 17, 1987

Time: 9:15 AM

Photograph By:

Charles Gruntman

County: DuPage

IEPA #: 0438020004

Site Name:

Hannah Marine

Comments: WNW.

Waste tank  
farm

Date: July 17, 1987

Time: 9:15AM

Photograph By:

Charles Gruntman

County: DuPage

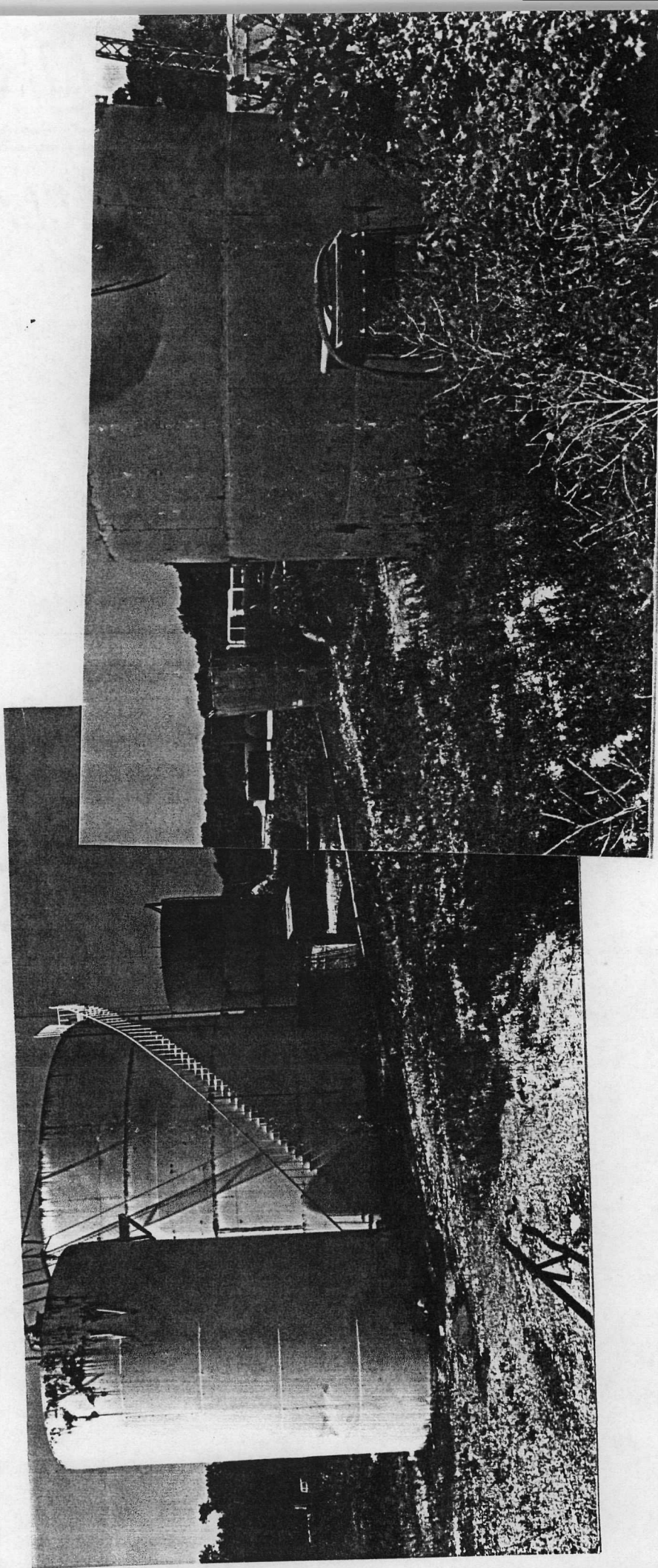
IEPA #: 0438020004

Site Name:

Hannah Marine Corp

Comments: \_\_\_\_\_

RECEIVED  
AUG 25 1987  
IEPA/DLPC



Date: July 17, 1987

Time: 9:15 AM

Photograph By:

Charles Gruntman

County: DuPage

IEPA #: 0438020004

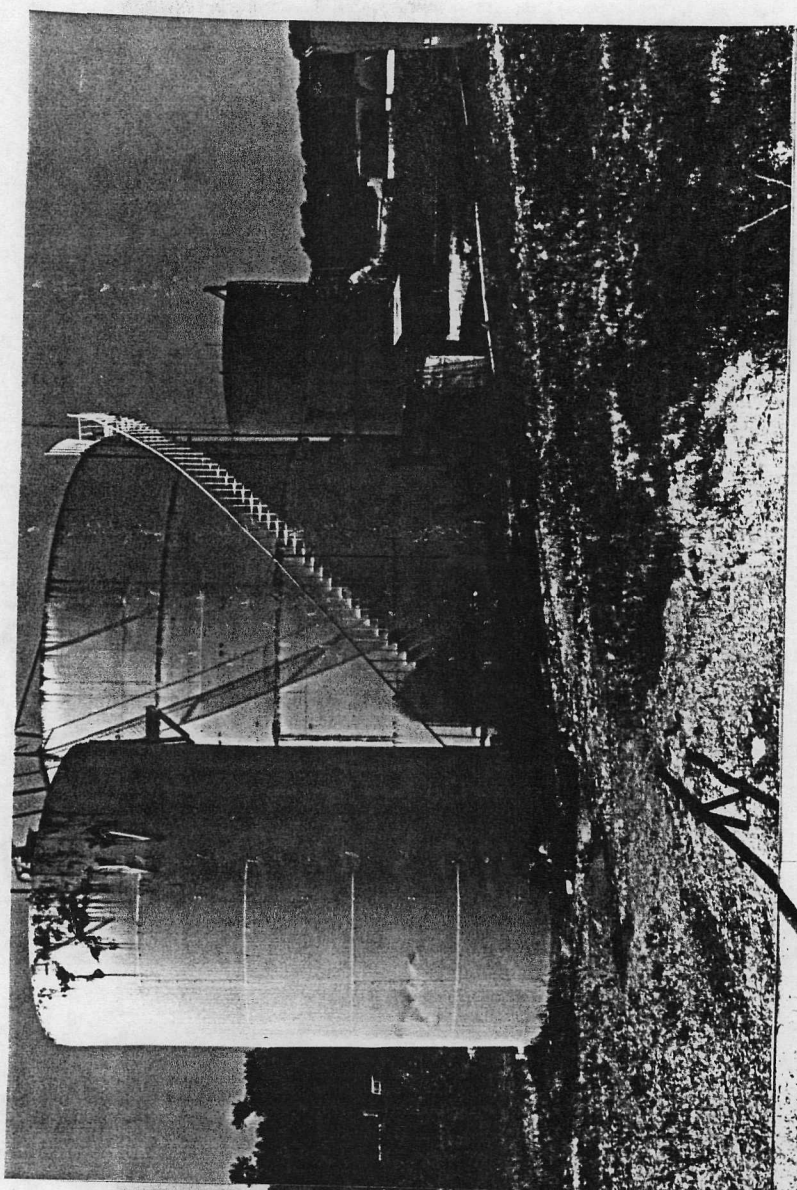
Site Name:

Hannah Marine

Comments: WSW

Waste tank

farm



Date: July 17, 1987

Time: 9:15AM

Photograph By:

Charles Gruntman

County: DuPage

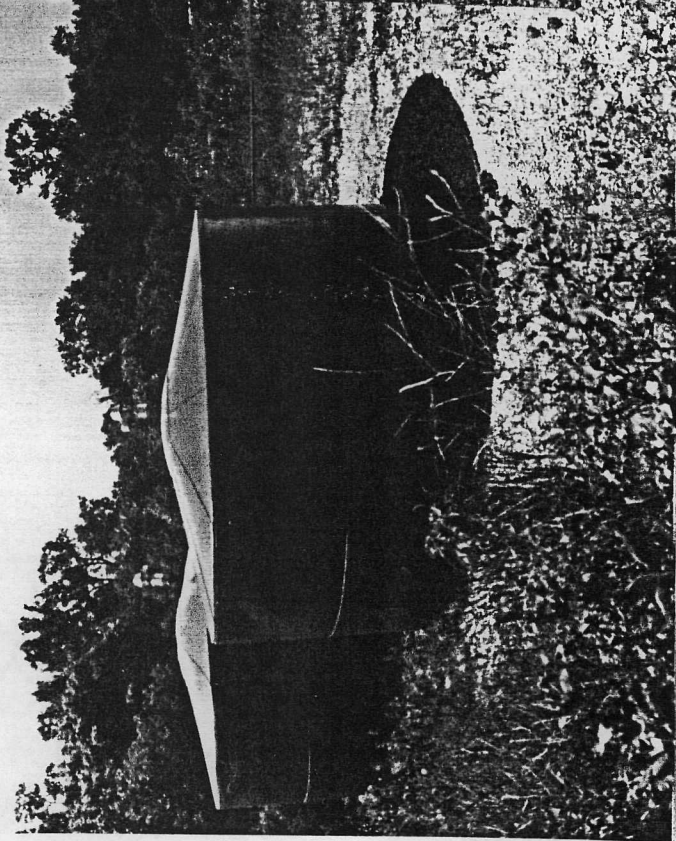
IEPA #: 0438020004

Site Name:

Hannah Marine Corp

Comments: \_\_\_\_\_

RECEIVED  
AUG 25 1987  
IEPA/DLPC





te: July 17, 1987

me: 9:15 AM

otograph By:

Charles Gruntman

untly: DuPage

PA #: 0438020004

te Name:

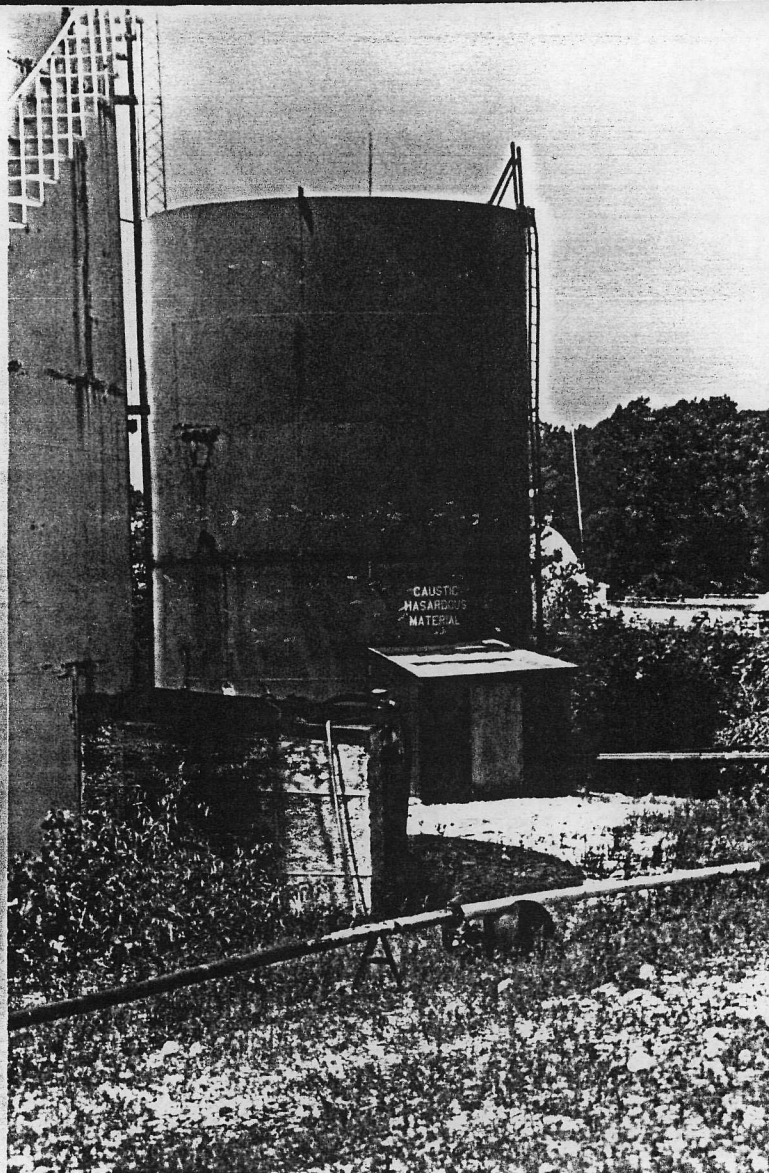
Hannah Marine

omments: W.

HAZARDOUS WASTE

accumulation

work



te: July 17, 1987

me: 9:15AM

otograph By:

Charles Gruntman

untly: DuPage

PA #: 0438020004

te Name:

Hannah Marine Corp

omments: W.

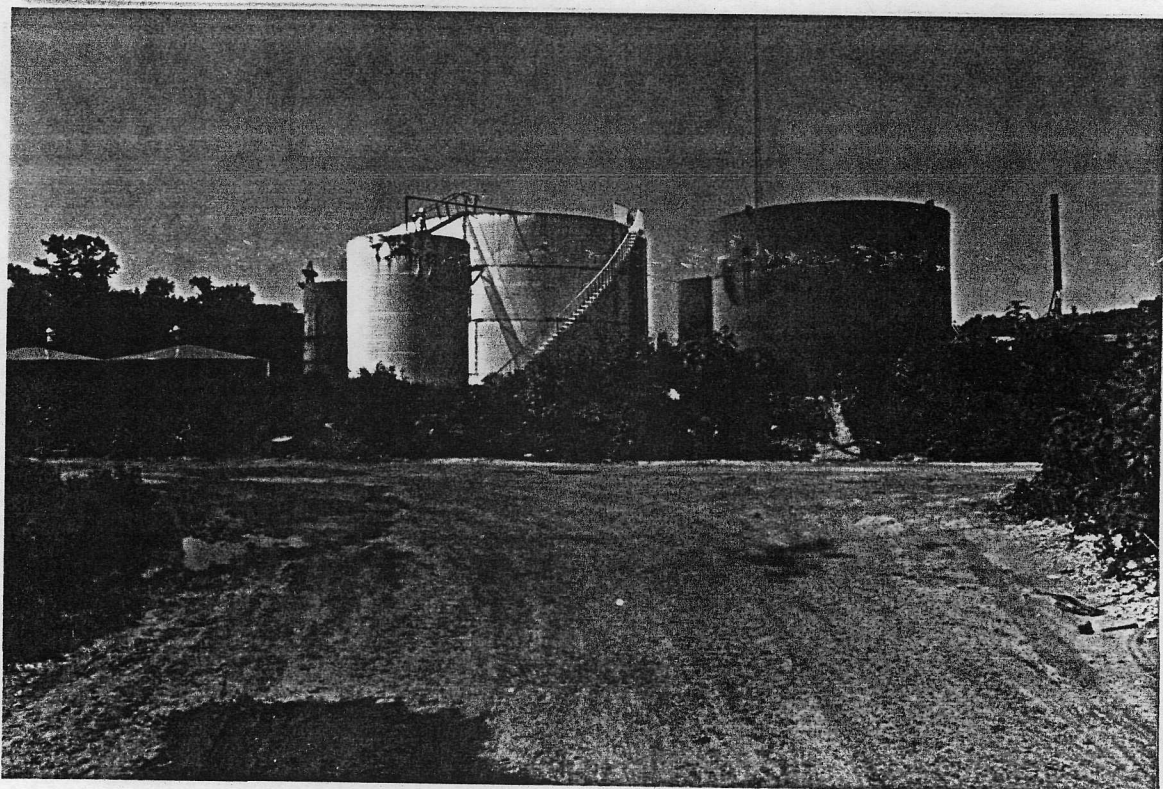
WASTE TANK

FARM

RECEIVED

AUG 25 1987

IEPA/DLFC





Date: July 17, 1987

Time: 9:15 AM

Photograph By:

Charles Gruntman

County: DuPage

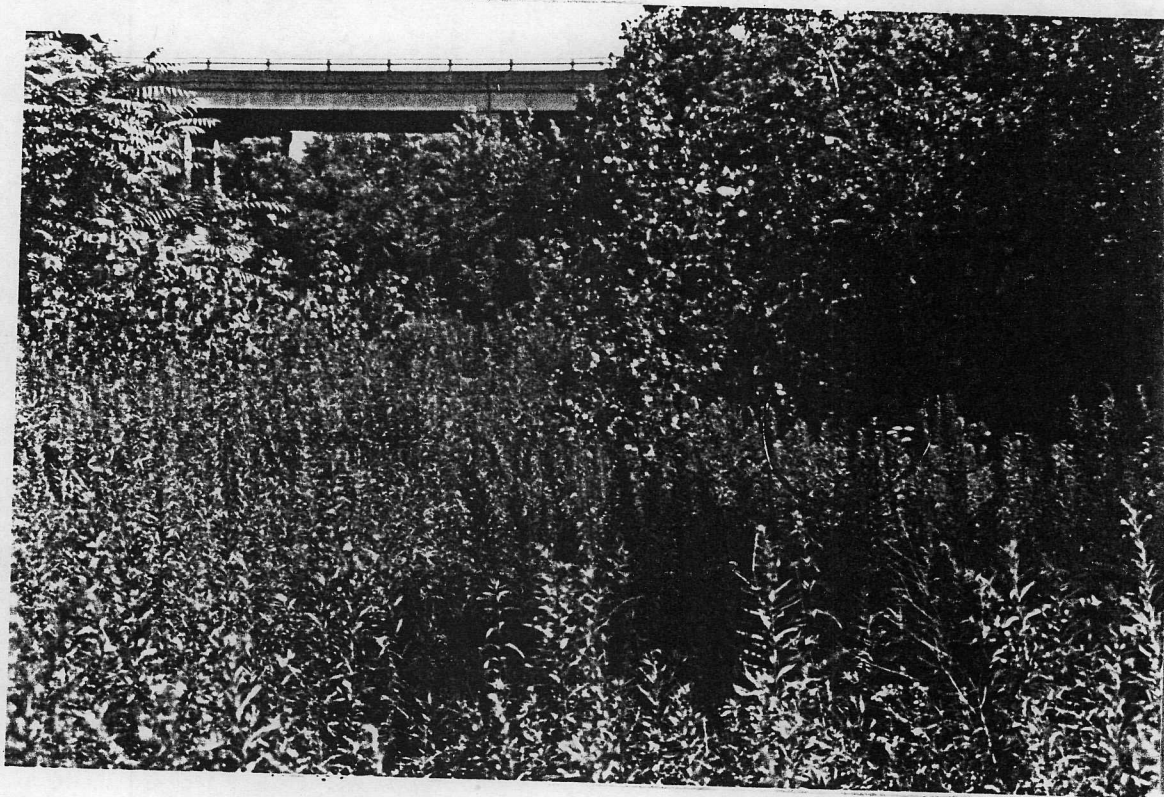
IEPA #: 0438020004

Site Name:

Hannah Marine

Comments: facies E.

Sampler pit is  
yellow (Right center  
of photo)



Date: July 17, 1987

Time: 9:15AM

Photograph By:

Charles Gruntman

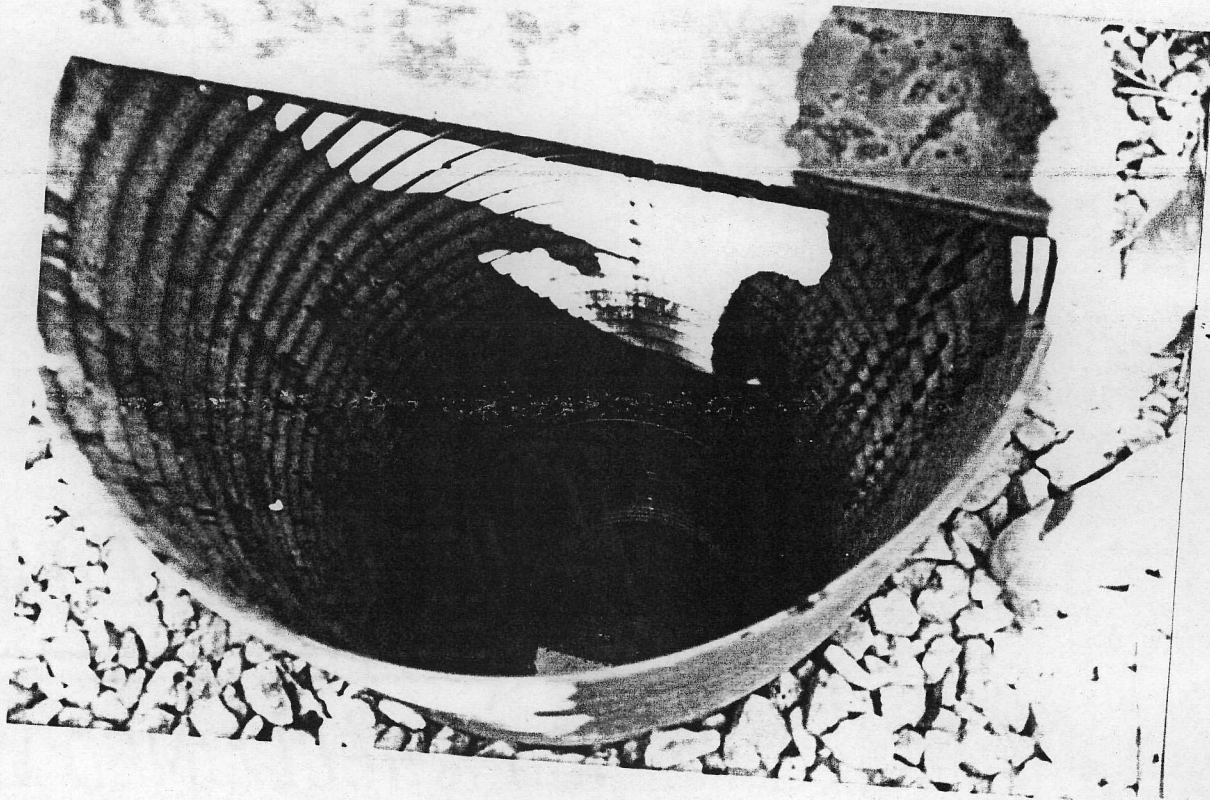
County: DuPage

EPA #: 0438020004

Site Name:

Hannah Marine Corp

Comments: inside of  
sampler pit



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